

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 4, 2004, 04:22:20 ; Search time 23 Seconds

(without alignments)
105.497 Million cell updates/sec

Title: US-09-480-977-4

Perfect score: 277

Sequence: 1 HKPCRDMDLAVCLNDGECF.....SHKCRCKEGYGVRCQDFL 47

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: Issued Patents AA: *
2: /cgn2_6/protdata/2/1aa/5A.COMB.pep: *
3: /cgn2_6/protdata/2/1aa/5B.COMB.pep: *
4: /cgn2_6/protdata/2/1aa/6A.COMB.pep: *
5: /cgn2_6/protdata/2/1aa/6B.COMB.pep: *
6: /cgn2_6/protdata/2/1aa/6CTUS.COMB.pep: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	277	100.0	47	3	US-08-899-437-4
2	277	100.0	47	3	US-08-899-437-8
3	277	100.0	47	3	US-09-126-121-4
4	277	100.0	47	3	US-09-126-121-8
5	277	100.0	48	4	US-09-553-766-6
6	277	100.0	360	3	US-08-899-437-7
7	277	100.0	360	3	US-09-126-121-7
8	277	100.0	362	3	US-08-899-437-3
9	277	100.0	362	3	US-09-126-121-3
10	277	100.0	696	3	US-08-899-437-23
11	277	100.0	696	3	US-09-126-121-23
12	277	100.0	713	3	US-08-899-437-2
13	277	100.0	713	3	US-09-126-121-2
14	277	100.0	720	3	US-08-899-437-6
15	277	100.0	720	3	US-09-126-121-6
16	116.5	42.1	52	1	US-08-417-640A-1
17	116.5	42.1	52	1	US-08-760-815-1
18	116.5	42.1	52	2	US-08-761-038-1
19	116.5	42.1	52	3	US-09-238-183-1
20	113.5	41.0	49	3	US-08-899-437-14
21	113.5	41.0	49	3	US-09-126-121-14
22	113.5	41.0	50	3	US-08-753-007A-12
23	113.5	41.0	50	3	US-09-398-496-12
24	113.5	41.0	52	1	US-08-417-640A-3
25	113.5	41.0	52	1	US-08-760-815-3
26	113.5	41.0	52	2	US-08-761-038-3
27	113.5	41.0	54	1	US-08-179-481-111

28	113.5	41.0	63	3	US-08-341-018-62	Sequence 62, Appl
29	113.5	41.0	63	3	US-08-470-335-221	Sequence 221, App
30	113.5	41.0	63	3	US-08-470-339-221	Sequence 221, App
31	113.5	41.0	63	4	US-08-467-602-415	Sequence 415, App
32	113.5	41.0	66	1	US-07-847-743B-10	Sequence 10, Appl
33	113.5	41.0	66	1	US-08-456-201-10	Sequence 10, Appl
34	113.5	41.0	66	2	US-08-456-241-10	Sequence 2, Appl
35	113.5	41.0	66	3	US-09-020-880-2	Sequence 2, Appl
36	113.5	41.0	66	4	US-09-101-544-2	Sequence 2, Appl
37	113.5	41.0	66	5	PCT-US92-04395A-10	Sequence 10, Appl
38	113.5	41.0	83	3	US-08-341-018-70	Sequence 70, Appl
39	113.5	41.0	83	3	US-08-470-335-225	Sequence 225, App
40	113.5	41.0	83	3	US-08-470-339-225	Sequence 225, App
41	113.5	41.0	83	4	US-08-467-602-419	Sequence 419, App
42	113.5	41.0	88	3	US-08-341-018-66	Sequence 68, Appl
43	113.5	41.0	88	3	US-08-470-335-224	Sequence 224, App
44	113.5	41.0	88	3	US-08-470-339-224	Sequence 224, App
45	113.5	41.0	88	4	US-08-467-602-418	Sequence 418, App

ALIGNMENTS

RESULT 1
US-08-899-437-4
Sequence 4, Application US/08899437
Patent No. 6121415
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
NUMBER OF INVENTION: 23
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: MicroPat (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/899,437
FILING DATE: 24-Jul-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Delandre L.
REGISTRATION NUMBER: 36,487
TELEPHONE: 650/952-9881
TELEFAX: 650/225-2066
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: NRG3 EGF-like domain/amino acid seq.
LOCATION: 1-47
IDENTIFICATION METHOD:
OTHER INFORMATION:
US-08-899-437-4
Query Match 100.0%, Score 277, DB 3, Length 47;
Best Local Similarity 100.0%; Pred. No. 2.2e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 HKPCRDMDLAVCLNDGECFVFETLTGSHKCRCKEGYGVRCQDFL 47
|||||

Tue Jul 6 09:49:36 2004

us-09-480-977-4.rai

Page 2

Db 1 HFPCRDRLAYCLNDGECFVIEITLTGSHKCRCKEGYGVRCDOFL 47

RESULT 2

US-08-899-437-8
Sequence 8, Application US/08899437
Patent No. 6,212,145

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/899,437
FILING DATE: 24-Jul-1997

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Conley, Delidre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:
LENGTH: 47 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear

FEATURE:

NAME/KEY: NR3 EGF-like domain/amino acid seq.
LOCATION: 1-47
IDENTIFICATION METHOD:
OTHER INFORMATION:

US-08-899-437-8

Query Match 100.0%; Score 277; DB 3; Length 47;

Best Local Similarity 100.0%; Pred. No. 2.2e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HFPCRDRLAYCLNDGECFVIEITLTGSHKCRCKEGYGVRCDOFL 47

Db 1 HFPCRDRLAYCLNDGECFVIEITLTGSHKCRCKEGYGVRCDOFL 47

RESULT 3

US-09-126-121-4

Sequence 4, Application US/09126121
Patent No. 6,252,051

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/126,121
FILING DATE: 30-Jul-1998

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/126,121
FILING DATE: 30-Jul-1998

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:
NAME: Conley, Delidre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:
LENGTH: 47 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear

FEATURE:

NAME/KEY: NR3 EGF-like domain/amino acid seq.
LOCATION: 1-47
IDENTIFICATION METHOD:
OTHER INFORMATION:

US-09-126-121-4

Query Match 100.0%; Score 277; DB 3; Length 47;

Best Local Similarity 100.0%; Pred. No. 2.2e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HFPCRDRLAYCLNDGECFVIEITLTGSHKCRCKEGYGVRCDOFL 47

Db 1 HFPCRDRLAYCLNDGECFVIEITLTGSHKCRCKEGYGVRCDOFL 47

RESULT 4

US-09-126-121-8

Sequence 8, Application US/09126121
Patent No. 6,252,051

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/126,121
FILING DATE: 30-Jul-1998

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:
NAME: Conley, Delidre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:
LENGTH: 47 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear

FEATURE:
NAME/KEY: NR03 EGF-like domain/amino acid seq.
LOCATION: 1-47
IDENTIFICATION METHOD:
OTHER INFORMATION:
US-09-126-121-8

Query Match 100.0%; Score 277; DB 3; Length 47;
Best Local Similarity 100.0%; Pred. No. 2.2e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFPCRDLDLAYCLNDGECFVIEITLTGSHKRCCKEGYGVRCDOFL 47
DB 1 HFPCRDLDLAYCLNDGECFVIEITLTGSHKRCCKEGYGVRCDOFL 47

RESULT 5
US-09-553-769-6
Sequence 6, Application US/09553769
Patent No. 6544759
GENERAL INFORMATION:
APPLICANT: Harari, Daniel
TITLE OF INVENTION: NOVEL GROWTH FACTOR WHICH ACTS THROUGH E2B-4 RECEPTOR TYROSINE K
FILE REFERENCE: 00/20522
CURRENT APPLICATION NUMBER: US/09/553,769
CURRENT FILING DATE: 2000-04-21
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn version 3.0
SEQ ID NO 6
LENGTH: 48
TYPE: PRT
ORGANISM: Mus musculus
US-09-553-769-6

Query Match 100.0%; Score 277; DB 4; Length 48;
Best Local Similarity 100.0%; Pred. No. 2.3e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFPCRDLDLAYCLNDGECFVIEITLTGSHKRCCKEGYGVRCDOFL 47
DB 2 HFPCRDLDLAYCLNDGECFVIEITLTGSHKRCCKEGYGVRCDOFL 48

RESULT 6
US-08-899-437-7
Sequence 7, Application US/08899437
Patent No. 6121415
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
NUMBER OF INVENTION: Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/899,437
FILING DATE: 24-Jul-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1084R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 360 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: hNRG3 extracellular domain/amino acidseq
LOCATION: 1-360
IDENTIFICATION METHOD:
OTHER INFORMATION:
US-08-899-437-7

Query Match 100.0%; Score 277; DB 3; Length 360;
Best Local Similarity 100.0%; Pred. No. 1.8e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFPCRDLDLAYCLNDGECFVIEITLTGSHKRCCKEGYGVRCDOFL 47
DB 286 HFPCRDLDLAYCLNDGECFVIEITLTGSHKRCCKEGYGVRCDOFL 332

RESULT 7
US-09-126-121-7
Sequence 7, Application US/09126121
Patent No. 6252051
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
NUMBER OF INVENTION: Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/126,121
FILING DATE: 30-Jul-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 360 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: hNRG3 extracellular domain/amino acidseq
LOCATION: 1-360
IDENTIFICATION METHOD:
OTHER INFORMATION:
US-09-126-121-7

Query Match 100.0%; Score 277; DB 3; Length 360;
Best Local Similarity 100.0%; Pred. No. 1.8e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFPCRDIDLAYCLNDGECFVITLTGSHKCRCKEGYGVRCDFL 47
DB 286 HFPCRDIDLAYCLNDGECFVITLTGSHKCRCKEGYGVRCDFL 332

RESULT 8

US-08-899-437-3

Sequence 3, Application US/08899437

Patent No. 6121415

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao

TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related

TITLE OF INVENTION: Ligands and Uses Therefor

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESS: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/899,437

FILING DATE: 24-Jul-1997

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Conley, Delidre L.

REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1084R1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-2066

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 362 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

FEATURE:

NAME/KEY: mNRG3 extracellular domain amino acid seq

LOCATION: 1-362

IDENTIFICATION METHOD:

OTHER INFORMATION:

US-08-899-437-3

Query Match 100.0%; Score 277; DB 3; Length 362;
Best Local Similarity 100.0%; Pred. No. 1.8e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFPCRDIDLAYCLNDGECFVITLTGSHKCRCKEGYGVRCDFL 47
DB 286 HFPCRDIDLAYCLNDGECFVITLTGSHKCRCKEGYGVRCDFL 334

RESULT 9

US-09-126-121-3

Sequence 3, Application US/09126121

Patent No. 6252051

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao

TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related

TITLE OF INVENTION: Ligands and Uses Therefor

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESS: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/126,121

FILING DATE: 30-Jul-1998

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Conley, Delidre L.

REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1084R1D1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-2066

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 362 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

FEATURE:

NAME/KEY: mNRG3 extracellular domain amino acid seq

LOCATION: 1-362

IDENTIFICATION METHOD:

OTHER INFORMATION:

US-09-126-121-3

Query Match 100.0%; Score 277; DB 3; Length 362;
Best Local Similarity 100.0%; Pred. No. 1.8e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFPCRDIDLAYCLNDGECFVITLTGSHKCRCKEGYGVRCDFL 47
DB 286 HFPCRDIDLAYCLNDGECFVITLTGSHKCRCKEGYGVRCDFL 334

RESULT 10

US-08-899-437-23

Sequence 23, Application US/08899437

Patent No. 6121415

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao

TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related

TITLE OF INVENTION: Ligands and Uses Therefor

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESS: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/899,437

FILING DATE: 24-Jul-1997

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Conley, Delidre L.

REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1084R1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-2066

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 23:

SEQUENCE CHARACTERISTICS:

LENGTH: 696 amino acids

TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: Human NR3B2
LOCATION: 1-696
IDENTIFICATION METHOD:
OTHER INFORMATION:
US-08-899-437-23

Query Match 100.0%; Score 277; DB 3; Length 696;
Best Local Similarity 100.0%; Pred. No. 3.5e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDKLAYCLNDGECFVIEITLGSNHCRCCKEGYGVRCDOFL 47
DB 286 HFKPCRDKLAYCLNDGECFVIEITLGSNHCRCCKEGYGVRCDOFL 332

RESULT 11

US-09-126-121-23
Sequence 23, Application US/09126121
Patent No. 6252051

GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
TITLE OF INVENTION: Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/126,121
FILING DATE: 30-Jul-1998
CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 23:

SEQUENCE CHARACTERISTICS:
LENGTH: 696 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: Human NR3B2
LOCATION: 1-696
IDENTIFICATION METHOD:
OTHER INFORMATION:
US-09-126-121-23

Query Match 100.0%; Score 277; DB 3; Length 696;
Best Local Similarity 100.0%; Pred. No. 3.5e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDKLAYCLNDGECFVIEITLGSNHCRCCKEGYGVRCDOFL 47
DB 286 HFKPCRDKLAYCLNDGECFVIEITLGSNHCRCCKEGYGVRCDOFL 332

RESULT 12
US-08-899-437-2

Sequence 2, Application US/08899437
Patent No. 6121415

GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
TITLE OF INVENTION: Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/899,437
FILING DATE: 24-Jul-1997
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 713 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear

FEATURE:
NAME/KEY: Mouse NR3 (mNR3)/amino acid seq.
LOCATION: 1-713
IDENTIFICATION METHOD:
OTHER INFORMATION:
US-08-899-437-2

Query Match 100.0%; Score 277; DB 3; Length 713;
Best Local Similarity 100.0%; Pred. No. 3.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDKLAYCLNDGECFVIEITLGSNHCRCCKEGYGVRCDOFL 47
DB 288 HFKPCRDKLAYCLNDGECFVIEITLGSNHCRCCKEGYGVRCDOFL 334

RESULT 13

US-09-126-121-2
Sequence 2, Application US/09126121
Patent No. 6252051

GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
TITLE OF INVENTION: Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/126,121
FILING DATE: 30-Jul-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Delirde L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 713 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: Mouse NRG3 (NRG3)/amino acid seq.
LOCATION: 1-713
IDENTIFICATION METHOD:
OTHER INFORMATION:
US-09-126-121-2

Query Match 100.0%; Score 277; DB 3; Length 713;
Best Local Similarity 100.0%; Pred. No. 3.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 HFKCRDKDLAYCLNDGECFVIEITLNGSHKRCCKEGYGVRCDOFL 47
DB 288 HFKCRDKDLAYCLNDGECFVIEITLNGSHKRCCKEGYGVRCDOFL 334

RESULT 14

US-08-899-437-6
Sequence 6, Application US/08899437
Patent No. 6121615
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Minipatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/899,437
FILING DATE: 24-Jul-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Delirde L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 720 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: hNRG3b1 amino acid sequence
LOCATION: 1-720
IDENTIFICATION METHOD:
OTHER INFORMATION:

US-08-899-437-6

Query Match 100.0%; Score 277; DB 3; Length 720;
Best Local Similarity 100.0%; Pred. No. 3.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 HFKCRDKDLAYCLNDGECFVIEITLNGSHKRCCKEGYGVRCDOFL 47
DB 286 HFKCRDKDLAYCLNDGECFVIEITLNGSHKRCCKEGYGVRCDOFL 332

RESULT 15

US-09-126-121-6
Sequence 6, Application US/09126121
Patent No. 6252051
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Minipatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/126,121
FILING DATE: 30-Jul-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Delirde L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 720 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: hNRG3b1 amino acid sequence
LOCATION: 1-720
IDENTIFICATION METHOD:
OTHER INFORMATION:
US-09-126-121-6

Query Match 100.0%; Score 277; DB 3; Length 720;
Best Local Similarity 100.0%; Pred. No. 3.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 HFKCRDKDLAYCLNDGECFVIEITLNGSHKRCCKEGYGVRCDOFL 47
DB 286 HFKCRDKDLAYCLNDGECFVIEITLNGSHKRCCKEGYGVRCDOFL 332

Search completed: July 4, 2004, 04:30:10
Job time : 24 secs

Tue Jul 6 11:14:40 2004

us-09-480-977-4.rapb

Page 1

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OM protein - protein search, using SW model

Run on: July 6, 2004, 11:02:17 ; Search time 379 Seconds

(without alignments)
38.602 Million cell updates/sec

Title: US-09-480-977-4

Perfect score: 277

Sequence: 1 HRPCKRDKLAIYCLNDECF.....SHHCCKCKSGYQVCRDQFL 47

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Gapop 10.0 , Gapext 0.5

Searched: 1276540 seqs, 311283816 residues

Total number of hits satisfying chosen parameters: 1276540

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database:

Published Applications AA:*

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18: /cgn2_6/ptodata/2/pubppa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match length	ID	Description
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2	277	100.0	47 9 US-09-817-647-8	Sequence 8, Appli
3	277	100.0	47 9 US-09-817-665-4	Sequence 8, Appli
4	277	100.0	47 9 US-09-817-665-8	Sequence 8, Appli
5	277	100.0	47 13 US-10-136-573A-4	Sequence 4, Appli
6	277	100.0	47 13 US-10-136-573A-8	Sequence 4, Appli
7	277	100.0	47 14 US-10-215-862-4	Sequence 8, Appli
8	277	100.0	47 14 US-10-215-862-8	Sequence 8, Appli
9	277	100.0	48 16 US-10-240-411-6	Sequence 6, Appli
10	277	100.0	157 12 US-10-609-370-2	Sequence 2, Appli
11	277	100.0	360 9 US-09-817-647-7	Sequence 7, Appli
12	277	100.0	360 9 US-09-817-665-7	Sequence 7, Appli
13	277	100.0	360 13 US-10-136-573A-7	Sequence 7, Appli
14	277	100.0	360 14 US-10-215-862-7	Sequence 7, Appli
15	277	100.0	362 9 US-09-817-647-3	Sequence 3, Appli

16	277	100.0	362 9 US-09-817-665-3	Sequence 3, Appli
17	277	100.0	362 13 US-10-136-573A-3	Sequence 3, Appli
18	277	100.0	362 13 US-10-215-862-3	Sequence 3, Appli
19	277	100.0	696 9 US-09-817-647-23	Sequence 23, Appli
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35	113.5	41.0	49 14 US-10-096-241-12	Sequence 12, Appli
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38	113.5	41.0	66 14 US-10-082-747A-2	Sequence 2, Appli
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54	113.5	41.0	669 9 US-09-849-866-1	Sequence 1, Appli
55	113.5	41.0	669 14 US-10-022-609-11	Sequence 11, Appli
56	113.5	41.0	669 13 US-10-455-183-1	Sequence 13, Appli
57	113.5	41.0	50 13 US-10-096-241-13	Sequence 13, Appli
58	113.5	40.3	56 14 US-10-082-747A-9	Sequence 9, Appli
59	111.5	40.3	64 14 US-10-082-747A-9	Sequence 9, Appli
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62	111.5	40.3	422 13 US-10-036-241-9	Sequence 9, Appli
63	111.5	40.3	47 16 US-10-240-411-3	Sequence 3, Appli
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66	109	39.4	115 15 US-10-454-764-2	Sequence 15, Appli
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86	104.5	37.7	119 9 US-09-795-668-34	Sequence 34, Appli
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89 104.5 37.7 119 9 US-09-946-807-34 Sequence 34, Appl
90 104.5 37.7 129 9 US-09-795-668-33 Sequence 33, Appl
91 104.5 37.7 129 9 US-09-795-668-33 Sequence 33, Appl
92 104.5 37.7 129 9 US-09-946-807-33 Sequence 33, Appl
93 104.5 37.7 157 9 US-09-795-668-27 Sequence 27, Appl
94 104.5 37.7 157 9 US-09-795-668-27 Sequence 27, Appl
95 104.5 37.7 157 9 US-09-946-807-27 Sequence 27, Appl
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97 104.5 37.7 175 9 US-09-795-668-24 Sequence 24, Appl
98 104.5 37.7 192 9 US-09-946-807-24 Sequence 2, Appl
99 104.5 37.7 192 9 US-09-795-668-2 Sequence 26, Appl
100 104.5 37.7 192 9 US-09-795-668-26

ALIGNMENTS

RESULT 1
US-09-817-647-4
Sequence 4, Application US/09817647
Patent No. US20020082229A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/817,647
FILING DATE: 26-Mar-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/107,979
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: NR3 EGF-like domain/amino acid seq.
LOCATION: 1-47
IDENTIFICATION METHOD:
OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-817-647-4
Query Match 100.0%; Score 277; DB 9; Length 47;
Best Local Similarity 100.0%; Pred. No. 2e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
CY 1 HRPGRDRLAYCLNDGECFVETLTGSHKRCRCGYSVRCDFL 47
DB 1 HRPGRDRLAYCLNDGECFVETLTGSHKRCRCGYSVRCDFL 47

RESULT 2
US-09-817-647-8
Sequence 8, Application US/09817647
Patent No. US20020082229A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/817,647
FILING DATE: 26-Mar-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/107,979
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: NR3 EGF-like domain/amino acid seq.
LOCATION: 1-47
IDENTIFICATION METHOD:
OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-817-647-8
Query Match 100.0%; Score 277; DB 9; Length 47;
Best Local Similarity 100.0%; Pred. No. 2e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
CY 1 HRPGRDRLAYCLNDGECFVETLTGSHKRCRCGYSVRCDFL 47
DB 1 HRPGRDRLAYCLNDGECFVETLTGSHKRCRCGYSVRCDFL 47
RESULT 3
US-09-877-665-4
Sequence 4, Application US/09877665
Patent No. US20020164680A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA

ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/877,665
FILING DATE: 08-Jun-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/109,206
FILING DATE: 30-Jun-1998
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: NR3 EGF-like domain/amino acid seq.
LOCATION: 1-47
IDENTIFICATION METHOD:
OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-877-665-4
Query Match 100.0%; Score 277; DB 9; Length 47;
Best Local Similarity 100.0%; Pred. No. 2e-26; Mismatches 0; Indels 0; Gaps 0;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
CY 1 HFPCRDRLAYCLNDGEFVIEITLTSNHRCKRCKEGYGVRCDFL 47
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RESULT 4
US-09-877-665-8
Sequence 8, Application US/09877665
Patent No. US20020164680A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/877,665
FILING DATE: 08-Jun-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/109,206
FILING DATE: 30-Jun-1998
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
CURRENT APPLICATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1084R1-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: NR3 EGF-like domain/amino acid seq.
LOCATION: 1-47
IDENTIFICATION METHOD:
OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-877-665-8
Query Match 100.0%; Score 277; DB 9; Length 47;
Best Local Similarity 100.0%; Pred. No. 2e-26; Mismatches 0; Indels 0; Gaps 0;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
CY 1 HFPCRDRLAYCLNDGEFVIEITLTSNHRCKRCKEGYGVRCDFL 47
DB 1 HFPCRDRLAYCLNDGEFVIEITLTSNHRCKRCKEGYGVRCDFL 47
RESULT 5
US-10-136-573A-4
Sequence 4, Application US/10136573A
Publication No. US20020161200A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
Uses Therefor
FILE REFERENCE: P1084R1C2
CURRENT FILING DATE: 2002-04-29
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 4
LENGTH: 47
TYPE: PRT
ORGANISM: Homo sapiens
US-10-136-573A-4
Query Match 100.0%; Score 277; DB 13; Length 47;
Best Local Similarity 100.0%; Pred. No. 2e-26; Mismatches 0; Indels 0; Gaps 0;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
CY 1 HFPCRDRLAYCLNDGEFVIEITLTSNHRCKRCKEGYGVRCDFL 47
DB 1 HFPCRDRLAYCLNDGEFVIEITLTSNHRCKRCKEGYGVRCDFL 47
RESULT 6
US-10-136-573A-8
Sequence 8, Application US/10136573A
Publication No. US20020161200A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
Uses Therefor
FILE REFERENCE: P1084R1C2
CURRENT APPLICATION NUMBER: US/10/136,573A

CURRENT FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 3
LENGTH: 47
TYPE: PRT
ORGANISM: Homo sapiens
US-10-136-573A-8

Query Match 100.0%; Score 277; DB 13; Length 47;
Best Local Similarity 100.0%; Pred. No. 2e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDLDAYCLNDGECFVIEITLTGSHKRCCKEGYGVRCDOFL 47
DB 1 HFKPCRDLDAYCLNDGECFVIEITLTGSHKRCCKEGYGVRCDOFL 47

RESULT 7
US-10-215-862-4
Sequence 4, Application US/10215862
Publication No. US20030036166A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
FILE REFERENCE: P1084R1D2C1
CURRENT APPLICATION NUMBER: US/10/215,862
CURRENT FILING DATE: 2002-09-24
PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR FILING DATE: 1998-07-30
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 4
LENGTH: 47
TYPE: PRT
ORGANISM: Homo sapiens
US-10-215-862-4

Query Match 100.0%; Score 277; DB 14; Length 47;
Best Local Similarity 100.0%; Pred. No. 2e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDLDAYCLNDGECFVIEITLTGSHKRCCKEGYGVRCDOFL 47
DB 1 HFKPCRDLDAYCLNDGECFVIEITLTGSHKRCCKEGYGVRCDOFL 47

RESULT 8
US-10-215-862-8
Sequence 8, Application US/10215862
Publication No. US20030036166A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
FILE REFERENCE: P1084R1D2C1
CURRENT APPLICATION NUMBER: US/10/215,862
CURRENT FILING DATE: 2002-09-24
PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR FILING DATE: 1998-07-30

PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 8
LENGTH: 47
TYPE: PRT
ORGANISM: Homo sapiens
US-10-215-862-8

Query Match 100.0%; Score 277; DB 14; Length 47;
Best Local Similarity 100.0%; Pred. No. 2e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDLDAYCLNDGECFVIEITLTGSHKRCCKEGYGVRCDOFL 47
DB 1 HFKPCRDLDAYCLNDGECFVIEITLTGSHKRCCKEGYGVRCDOFL 47

RESULT 9
US-10-240-411-6
Sequence 6, Application US/10240411
Publication No. US20040121326A1
GENERAL INFORMATION:
APPLICANT: Harari, Daniel
APPLICANT: Varden, Yosef
TITLE OF INVENTION: NOVEL GROWTH FACTOR WHICH ACTS THROUGH ERB B-4 RECEPTOR TYROSI
FILE REFERENCE: 01/21918
CURRENT APPLICATION NUMBER: US/10/240,411
CURRENT FILING DATE: 2003-05-16
PRIOR APPLICATION NUMBER: US 09/553,769
PRIOR FILING DATE: 2000-04-21
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn version 3.0
SEQ ID NO 6
LENGTH: 48
TYPE: PRT
ORGANISM: Mus musculus
US-10-240-411-6

Query Match 100.0%; Score 277; DB 16; Length 48;
Best Local Similarity 100.0%; Pred. No. 2e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDLDAYCLNDGECFVIEITLTGSHKRCCKEGYGVRCDOFL 47
DB 2 HFKPCRDLDAYCLNDGECFVIEITLTGSHKRCCKEGYGVRCDOFL 48

RESULT 10
US-10-609-370-2
Sequence 2, Application US/10609370
Publication No. US2004048295A1
GENERAL INFORMATION:
APPLICANT: Young et al.
TITLE OF INVENTION: Heregulin-Like Factor
FILE REFERENCE: PP383DI
CURRENT APPLICATION NUMBER: US/10/609,370
CURRENT FILING DATE: 2003-07-01
PRIOR APPLICATION NUMBER: 09/097,681
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/049,942
PRIOR FILING DATE: 1997-06-17
NUMBER OF SEQ ID NOS: 22
SOFTWARE: PatentIn version 3.2
SEQ ID NO 2
LENGTH: 157
TYPE: PRT
ORGANISM: Homo sapiens
US-10-609-370-2

Query Match 100.0%; Score 277; DB 12; Length 157;
Best Local Similarity 100.0%; Pred. No. 6,7e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDMLAYCLNDGECFVETLTGSHKCRCKEGYGVRCDFL 47
DB 31 HFKPCRDMLAYCLNDGECFVETLTGSHKCRCKEGYGVRCDFL 77

RESULT 11

US-09-817-647-7

Sequence 7, Application US/09817647
Patent No. US2002008229A1

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/817,647

FILING DATE: 26-Mar-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/107,979

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Conley, Deirdre L.

REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1084R1-2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-2066

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 360 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

FEATURE: NAME/KEY: hNRG3 extracellular domain/Amino AcidSeq

LOCATION: 1-360

IDENTIFICATION METHOD:

OTHER INFORMATION:

SEQUENCE DESCRIPTION: SEQ ID NO: 7:

US-09-817-647-7

Query Match 100.0%; Score 277; DB 9; Length 360;
Best Local Similarity 100.0%; Pred. No. 1.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDMLAYCLNDGECFVETLTGSHKCRCKEGYGVRCDFL 47
DB 286 HFKPCRDMLAYCLNDGECFVETLTGSHKCRCKEGYGVRCDFL 332

RESULT 12

US-09-877-665-7

Sequence 7, Application US/09877665
Patent No. US2002016480A1

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related

NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/877,665

FILING DATE: 08-Jun-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/109,206

FILING DATE: 30-Jun-1998

ATTORNEY/AGENT INFORMATION:

NAME: Conley, Deirdre L.

REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1084R1-1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-2066

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 360 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

FEATURE: NAME/KEY: hNRG3 extracellular domain/Amino AcidSeq

LOCATION: 1-360

IDENTIFICATION METHOD:

OTHER INFORMATION:

SEQUENCE DESCRIPTION: SEQ ID NO: 7:

US-09-877-665-7

Query Match 100.0%; Score 277; DB 9; Length 360;
Best Local Similarity 100.0%; Pred. No. 1.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDMLAYCLNDGECFVETLTGSHKCRCKEGYGVRCDFL 47
DB 286 HFKPCRDMLAYCLNDGECFVETLTGSHKCRCKEGYGVRCDFL 332

RESULT 13

US-10-136-573A-7

Sequence 7, Application US/10136573A
Publication No. US20020161200A1

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J.

APPLICANT: Mark, Melanie Rose

APPLICANT: Zhang, Dong Xiao

TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and

TITLE OF INVENTION: Uses Therefor

FILE REFERENCE: P1084R1C2

CURRENT APPLICATION NUMBER: US/10/136,573A

CURRENT FILING DATE: 2002-04-29

PRIOR APPLICATION NUMBER: US 09/480,977

PRIOR FILING DATE: 2000-01-11

PRIOR APPLICATION NUMBER: US 08/899,437

PRIOR FILING DATE: 1997-07-24

PRIOR APPLICATION NUMBER: US 60/052,019

PRIOR FILING DATE: 1997-07-09

NUMBER OF SEQ ID NOS: 23

SEQ ID NO 7

LENGTH: 360

TYPE: PRT

us-09-480-977-4.rabb

FEATURE:	
NAME/KEY:	
mNRG3	extracellular domainAmino acid seq

```

; LOCATION: 1-362
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-877-665-3

Query Match          100.0%; Score 277; DB 9; Length 362;
Best Local Similarity 100.0%; Pred. No. 1.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 HFKPCRDLDLAYCLNDGECFVIEITLTSKHKCRCKEGYGVRCDFL 47
    |||
Db 288 HFKPCRDLDLAYCLNDGECFVIEITLTSKHKCRCKEGYGVRCDFL 334

RESULT 17
US-10-136-573A-3
; Sequence 3, Application US/10136573A
; Publication No. US20020161200A1
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J.
; APPLICANT: Zhang, Dong Xiao
; TITLE OF INVENTION: E2b8 Receptor-Specific Neuregulin Related Ligands and
; FILE REFERENCE: P1084R1C2
; CURRENT APPLICATION NUMBER: US/10/136,573A
; PRIOR FILING DATE: 2002-04-29
; PRIOR APPLICATION NUMBER: US 09/480,977
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: US 08/899,437
; PRIOR FILING DATE: 1997-07-24
; PRIOR APPLICATION NUMBER: US 60/052,019
; PRIOR FILING DATE: 1997-07-09
; NUMBER OF SEQ ID NOS: 23
; SEQ ID NO 3
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-136-573A-3

Query Match          100.0%; Score 277; DB 13; Length 362;
Best Local Similarity 100.0%; Pred. No. 1.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 HFKPCRDLDLAYCLNDGECFVIEITLTSKHKCRCKEGYGVRCDFL 47
    |||
Db 288 HFKPCRDLDLAYCLNDGECFVIEITLTSKHKCRCKEGYGVRCDFL 334

RESULT 18
US-10-215-862-3
; Sequence 3, Application US/10215862
; Publication No. US20030036166A1
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J.
; APPLICANT: Mark, Melanie Rose
; APPLICANT: Zhang, Dong Xiao
; TITLE OF INVENTION: E2b8 Receptor-Specific Neuregulin Related Ligands and
; FILE REFERENCE: P1084R1D2C1
; CURRENT APPLICATION NUMBER: US/10/215,862
; PRIOR FILING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: US 09/126,663
; PRIOR FILING DATE: 1998-07-30
; PRIOR APPLICATION NUMBER: US 08/899,437
; PRIOR FILING DATE: 1997-07-24
; PRIOR APPLICATION NUMBER: US 60/052,019
; PRIOR FILING DATE: 1997-07-09
; NUMBER OF SEQ ID NOS: 23
; SEQ ID NO 3
; LENGTH: 362
; TYPE: PRT
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; ORGANISM: Mus musculus
US-10-215-862-3

Query Match          100.0%; Score 277; DB 14; Length 362;
Best Local Similarity 100.0%; Pred. No. 1.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 HFKPCRDLDLAYCLNDGECFVIEITLTSKHKCRCKEGYGVRCDFL 47
    |||
Db 288 HFKPCRDLDLAYCLNDGECFVIEITLTSKHKCRCKEGYGVRCDFL 334

RESULT 19
US-09-817-647-23
; Sequence 23, Application US/09817647
; Patent No. US20020082229A1
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
; TITLE OF INVENTION: E2b8 Receptor-Specific Neuregulin Related
; Ligands and Uses Therefor
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/817,647
; FILING DATE: 26-Mar-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/107,979
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Conley, Delandre L.
; REGISTRATION NUMBER: 36,487
; REFERENCE/DOCKET NUMBER: P1084R1-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-2066
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 696 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; FEATURE:
; NAME/KEY: Human NRG3B2
; LOCATION: 1-696
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
; SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-09-817-647-23

Query Match          100.0%; Score 277; DB 9; Length 696;
Best Local Similarity 100.0%; Pred. No. 3.1e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 HFKPCRDLDLAYCLNDGECFVIEITLTSKHKCRCKEGYGVRCDFL 47
    |||
Db 286 HFKPCRDLDLAYCLNDGECFVIEITLTSKHKCRCKEGYGVRCDFL 332

RESULT 20
US-09-877-665-23
; Sequence 23, Application US/09877665
; Patent No. US2002016460A1
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GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/480,977
FILING DATE: 08-Jun-2001
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/109,206
FILING DATE: 30-Jun-1998
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/252-9881
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 696 amino acids
TYPE: Amino Acid
TOPOLOGY: linear
FEATURE:
NAME/KEY: Human NRG3B2
LOCATION: 1-696
IDENTIFICATION METHOD:
OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-09-877-665-23
Query Match 100.0%; Score 277; DB 9; length 696;
Best Local Similarity 100.0%; Pred. No. 3.1e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 1 HFKPCRDKLAVCLNDGECFVETLTGSHKRCCKEGYGVRCDOFL 47
Db 286 HFKPCRDKLAVCLNDGECFVETLTGSHKRCCKEGYGVRCDOFL 332
RESULT 21
US-10-136-573A-23
Sequence 23, Application US/10136573A
Publication No. US20020161200A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
Uses Therefor
FILE REFERENCE: P1084R1C2
CURRENT APPLICATION NUMBER: US/10/136,573A
CURRENT FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23

SEQ ID NO 23
LENGTH: 696
TYPE: PRT
ORGANISM: Homo sapiens
US-10-136-573A-23
Query Match 100.0%; Score 277; DB 13; length 696;
Best Local Similarity 100.0%; Pred. No. 3.1e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 1 HFKPCRDKLAVCLNDGECFVETLTGSHKRCCKEGYGVRCDOFL 47
Db 286 HFKPCRDKLAVCLNDGECFVETLTGSHKRCCKEGYGVRCDOFL 332
RESULT 22
US-10-215-862-23
Sequence 23, Application US/10215862
Publication No. US2003003616A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
Uses Therefor
FILE REFERENCE: P1084R1D2C1
CURRENT APPLICATION NUMBER: US/10/215,862
CURRENT FILING DATE: 2002-09-24
PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR FILING DATE: 1998-07-30
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 23
LENGTH: 696
TYPE: PRT
ORGANISM: Homo sapiens
US-10-215-862-23
Query Match 100.0%; Score 277; DB 14; length 696;
Best Local Similarity 100.0%; Pred. No. 3.1e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 1 HFKPCRDKLAVCLNDGECFVETLTGSHKRCCKEGYGVRCDOFL 47
Db 286 HFKPCRDKLAVCLNDGECFVETLTGSHKRCCKEGYGVRCDOFL 332
RESULT 23
US-09-817-647-2
Sequence 2, Application US/09817647
Patent No. US20020082229A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/817,647

Tue Jul 6 11:14:40 2004

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Page 9

FILED DATE: 26-Mar-2001
CLASSIFICATION: <Unknown>
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 09/107,979
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Delire L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 713 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: Mouse NRG3 (mNRG3)/amino acid seq.
LOCATION: 1-713
IDENTIFICATION METHOD:
OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-817-647-2
Query Match 100.0%; Score 277; DB 9; Length 713;
Best Local Similarity 100.0%; Pred. No. 3.2e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 HFKPCRDKLAYCLNDGECFVIEITLTGSHKRCRCKEGYGVRCDOFL 47
DB 288 HFKPCRDKLAYCLNDGECFVIEITLTGSHKRCRCKEGYGVRCDOFL 334
RESULT 24
US-09-877-665-2
Sequence 2, Application US/09877665
Patent No. US20020164680A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.; Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPac (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/877,665
FILING DATE: 08-Jun-2001
CLASSIFICATION: <Unknown>
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/09/109,206
FILING DATE: 30-Jun-1998
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Delire L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 713 amino acids
TYPE: Amino Acid

TOPOLOGY: Linear
FEATURE:
NAME/KEY: Mouse NRG3 (mNRG3)/amino acid seq.
LOCATION: 1-713
IDENTIFICATION METHOD:
OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-877-665-2
Query Match 100.0%; Score 277; DB 9; Length 713;
Best Local Similarity 100.0%; Pred. No. 3.2e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 HFKPCRDKLAYCLNDGECFVIEITLTGSHKRCRCKEGYGVRCDOFL 47
DB 288 HFKPCRDKLAYCLNDGECFVIEITLTGSHKRCRCKEGYGVRCDOFL 334
RESULT 25
US-10-136-573A-2
Sequence 2, Application US/10136573A
Publication No. US20020161200A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
Uses Therefor
FILE REFERENCE: P1084R1C2
CURRENT APPLICATION NUMBER: US/10/136,573A
PRIORITY FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 2
LENGTH: 713
TYPE: PEPT
ORGANISM: Mus musculus
US-10-136-573A-2
Query Match 100.0%; Score 277; DB 13; Length 713;
Best Local Similarity 100.0%; Pred. No. 3.2e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 HFKPCRDKLAYCLNDGECFVIEITLTGSHKRCRCKEGYGVRCDOFL 47
DB 288 HFKPCRDKLAYCLNDGECFVIEITLTGSHKRCRCKEGYGVRCDOFL 334
RESULT 26
US-10-215-862-2
Sequence 2, Application US/10215862
Publication No. US20030036165A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
Uses Therefor
FILE REFERENCE: P1084R1D2C1
CURRENT APPLICATION NUMBER: US/10/215,862
PRIORITY FILING DATE: 2002-09-24
PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR FILING DATE: 1998-07-30
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23

SEQ ID NO 2
LENGTH: 713
TYPE: PRT
ORGANISM: Mus musculus
US-10-215-862-2

Query Match 100.0%; Score 277; DB 14; Length 713;
Best Local Similarity 100.0%; Pred. No. 3.2e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HRPGRDRLAYCLNDGECFVETLTGSHKRCRCKEGYGVRCDFL 47
DB 286 HRPGRDRLAYCLNDGECFVETLTGSHKRCRCKEGYGVRCDFL 334

RESULT 27

US-09-817-647-6
Sequence 6, Application US/09817647
Patent No. US2002008229A1
GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor

NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way

CITY: South San Francisco
STATE: California

COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/817,647
FILING DATE: 26-Mar-2001

CLASSIFICATION: <Unknown>
PRIORITY INFORMATION DATA:

APPLICATION NUMBER: 09/107,979
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.

REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-2

TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-2066

TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:
LENGTH: 720 amino acids

TYPE: Amino Acid
TOPOLOGY: Linear

FEATURE:
NAME/KEY: HNRG3B1 amino acid sequence

LOCATION: 1-720
IDENTIFICATION METHOD:

OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-09-817-647-6

Query Match 100.0%; Score 277; DB 9; Length 720;
Best Local Similarity 100.0%; Pred. No. 3.2e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HRPGRDRLAYCLNDGECFVETLTGSHKRCRCKEGYGVRCDFL 47
DB 286 HRPGRDRLAYCLNDGECFVETLTGSHKRCRCKEGYGVRCDFL 332

RESULT 28

US-09-877-665-6
Sequence 6, Application US/09877665
Patent No. US20020164680A1
GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor

NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way

CITY: South San Francisco
STATE: California

COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/877,665
FILING DATE: 08-Jun-2001

CLASSIFICATION: <Unknown>
PRIORITY INFORMATION DATA:

APPLICATION NUMBER: US/09/109,206
FILING DATE: 30-Jun-1998

ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.

REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-1

TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-2066

TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:
LENGTH: 720 amino acids

TYPE: Amino Acid
TOPOLOGY: Linear

FEATURE:
NAME/KEY: HNRG3B1 amino acid sequence

LOCATION: 1-720
IDENTIFICATION METHOD:

OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-09-877-665-6

Query Match 100.0%; Score 277; DB 9; Length 720;
Best Local Similarity 100.0%; Pred. No. 3.2e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HRPGRDRLAYCLNDGECFVETLTGSHKRCRCKEGYGVRCDFL 47
DB 286 HRPGRDRLAYCLNDGECFVETLTGSHKRCRCKEGYGVRCDFL 332

RESULT 29
US-10-609-370-22
Sequence 22, Application US/10609370
Publication No. US20040048295A1
GENERAL INFORMATION:

APPLICANT: Young et al.
TITLE OF INVENTION: Retegulin-Like Factor

FILE REFERENCE: EP363D1
CURRENT APPLICATION NUMBER: US/10/609,370

PRIOR FILING DATE: 2003-07-01
PRIOR APPLICATION NUMBER: 09/097,681

PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/049,942

PRIOR FILING DATE: 1997-06-17
NUMBER OF SEQ ID NOS: 22

SOFTWARE: PatentIn version 3.2
SEQ ID NO 22

LENGTH: 720
TYPE: PRT
ORGANISM: Homo sapiens
US-10-609-370-22

Query Match 100.0%; Score 277; DB 12; Length 720;
Best Local Similarity 100.0%; Pred. No. 3.2e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDLDLAYCLNDGECFYIETLTGSHKRCRCBGYGVRCDOFL 47
DB 286 HFKPCRDLDLAYCLNDGECFYIETLTGSHKRCRCBGYGVRCDOFL 332

RESULT 30
US-10-136-573A-6
Sequence 6, Application US/10136573A
Publication No. US20020161200A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
FILE REFERENCE: P1084R1C2
CURRENT APPLICATION NUMBER: US/10/136,573A
PRIOR FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 6
LENGTH: 720
TYPE: PRT
ORGANISM: Homo sapiens
US-10-136-573A-6

Query Match 100.0%; Score 277; DB 13; Length 720;
Best Local Similarity 100.0%; Pred. No. 3.2e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDLDLAYCLNDGECFYIETLTGSHKRCRCBGYGVRCDOFL 47
DB 286 HFKPCRDLDLAYCLNDGECFYIETLTGSHKRCRCBGYGVRCDOFL 332

RESULT 31
US-10-215-862-6
Sequence 6, Application US/10215862
Publication No. US20030036166A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
FILE REFERENCE: P1084R1D2C1
CURRENT APPLICATION NUMBER: US/10/215,862
PRIOR FILING DATE: 2002-09-24
PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR FILING DATE: 1998-07-30
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 6
LENGTH: 720
TYPE: PRT
ORGANISM: Homo sapiens

US-10-215-862-6

Query Match 100.0%; Score 277; DB 14; Length 720;
Best Local Similarity 100.0%; Pred. No. 3.2e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDLDLAYCLNDGECFYIETLTGSHKRCRCBGYGVRCDOFL 47
DB 286 HFKPCRDLDLAYCLNDGECFYIETLTGSHKRCRCBGYGVRCDOFL 332

Search completed: July 6, 2004, 11:08:50
Job time : 380 secs